

Appl. No. 10/049,285
Amdt. dated February 11, 2004
Response to Office Action of December 1, 2003

Amendments to the Claims.

This listing of claims will replace all prior versions and listings of claims in the application:

Listing of Claims:

Claims 1-8 (canceled)

9. (Currently amended) In a valve for controlling fluids, having a piezoelectric actuator (2) which is disposed in an actuator bore (3), a hydraulic booster (11), and a bellows (5) for absorbing an axial stroke of the piezoelectric actuator (2), the improvement wherein the bellows (5) is solidly connected to a head of the piezoelectric actuator (2) and to the actuator bore (3).

10. (Previously added) The valve for controlling fluids of claim 9, wherein the bellows (5) has a sleevelike extension (7), which is solidly connected to the actuator bore (3).

11. (Previously added) The valve for controlling fluids of claim 9, wherein the connection between the bellows (5) and the piezoelectric actuator (2) and/or the connection between the bellows (5) and the actuator bore (3) is embodied as a welded connection.

Appl. No. 10/049,285
Amdt. dated February 11, 2004
Response to Office Action of December 1, 2003

12. (Previously added) The valve for controlling fluids of claim 10, wherein the connection between the bellows (5) and the piezoelectric actuator (2) and/or the connection between the bellows (5) and the actuator bore (3) is embodied as a welded connection.
13. (Previously added) The valve for controlling fluids of claim 9, wherein the sleeve-like extension (7) of the bellows (5) is solidly connected to the actuator bore (3) via a press fit of a retaining body (10).
14. (Previously added) The valve for controlling fluids of claim 10, wherein the sleeve-like extension (7) of the bellows (5) is solidly connected to the actuator bore (3) via a press fit of a retaining body (10).
15. (Previously added) The valve for controlling fluids of claim 13, wherein the retaining body (10) at least partly receives the hydraulic booster (11).
16. (Previously added) The valve for controlling fluids of claim 14, wherein the retaining body (10) at least partly receives the hydraulic booster (11).

Appl. No. 10/049,285
Amdt. dated February 11, 2004
Response to Office Action of December 1, 2003

17. (Previously added) The valve for controlling fluids of claim 9, wherein the bellows (5) is embodied with three undulations (6).
18. (Previously added) The valve for controlling fluids of claim 9, wherein the bellows (5) is produced from metal.
19. (Previously added) The valve for controlling fluids of claim 10, wherein the bellows (5) is produced from metal.
20. (Previously added) The valve for controlling fluids of claim 11, wherein the bellows (5) is produced from metal.
21. (Previously added) The valve for controlling fluids of claim 9, wherein an actuator spring (16) has at least four windings, which are placed against the actuator bore (3).
22. (Previously added) The valve for controlling fluids of claim 10, wherein an actuator spring (16) has at least four windings, which are placed against the actuator bore (3).

Appl. No. 10/049,285
Amdt. dated February 11, 2004
Response to Office Action of December 1, 2003

23. (Previously added) The valve for controlling fluids of claim 11, wherein an actuator spring (16) has at least four windings, which are placed against the actuator bore (3).